



PATENT
Attorney Docket No. 204526

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kovesdi et al.

Application No. 09/599,997

Art Unit: 1636

Examiner: McKelvey, T.

Filed: June 23, 2000

For: VIRAL VECTOR ENCODING
PIGMENT EPITHELIUM-
DERIVED FACTOR

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**AMENDMENTS TO CLAIMS MADE IN RESPONSE TO
OFFICE ACTION DATED OCTOBER 22, 2002**

1. (Twice Amended) A replication deficient adenoviral vector comprising a nucleic acid sequence encoding pigment epithelium-derived factor (PEDF) or a therapeutic fragment thereof, wherein the nucleic acid sequence is operably linked to regulatory sequences necessary for expression of PEDF or a therapeutic fragment thereof and wherein the adenoviral vector is lacking all or part of the E1 region and all or part of the E4 region.

[3. The adenoviral vector of claim 1, wherein the adenoviral vector is replication deficient.]

4. (Twice Amended) The adenoviral vector of claim [3] 1, wherein the adenoviral vector is lacking all [or part] of the E1 region.

5. (Twice Amended) The adenoviral vector of claim [4] 1, wherein the adenoviral vector is lacking all or part of the E1a region [and/or] and is lacking all or part of the E1b region.

6. (Twice Amended) The adenoviral vector of claim [3] 5, wherein the adenoviral vector is lacking all [or part] of the E4 region.

[7. The adenoviral vector of claim 3, wherein the adenoviral vector is multiply-deficient.]

8. (Twice Amended) The adenoviral vector of claim [7] 6, wherein the adenoviral vector is lacking [all or part of the E1 region,] all or part of the E3 region[, and all or part of the E4 region].

9. (Twice Amended) The adenoviral vector of claim [7] 1, wherein the adenoviral vector is lacking [all or part of the E1 region,] all or part of the E2 region[, and all or part of the E3 region].

[10. The adenoviral vector of claim 9, wherein the adenoviral vector is further lacking all or part of the E4 region.]